

(b) (7)(C), (b) (7)(D)

*Tuesday, November 16, 2010 1:15:30 PM*



**Stop**

**Abstract**

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32



**Customer:**

Run Start

Date: 10-11-16

**Date:**

**Stop**

Date:

**Date:**

**Insp.  
Stamp**

Rev B

0.00

[illegible]

## FLOW WATER JET

## Waterjet

## Memo

0.00

FLOW CNC Waterjet

1-Cut as per Dwg D3319

1010 - .056

Dwg Rev:

Prog Rev:

2-Deburr if necessary

110

QC2- Inspect parts off machine FAI/FAIB

0.00



## Memo

0.00

## Quality Control

120

QC8- Inspect parts - second check

0.00

## Memo

0.00

### Quality Control

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 63841**

Tuesday, November 16, 2010 1:15:30 PM

Page 3

Item ID: D3319-1

Accept

Revision ID:

Item Name: Wearplate

Start Date: 11/17/2010 Start Qty: 10.00

Required Date: 11/24/2010 Req'd Qty: 10.00

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

170

QC10- Inspect visual per QSI004- ground welds

0.00



QC

Memo

0.00

Quality Control

D-10/1/24

180

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

D-10/1/24

(412)

190

Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3

0.00



Powdercoat

M 112588

Memo

0.00

Powder Coating

START TIME:  
OVEN TEMPERATURE:  
FINISH TIME:1:45  
320°  
2:15

12 BR 10-11-25

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 63841**

Tuesday, November 16, 2010 1:15:30 PM

Page 4

Item ID: D3319-1

Accept

Setup Start

Revision ID:

Stop

Item Name: Wearplate

Start Date: 11/17/2010 Start Qty: 10.00

Cust Item ID:

Required Date: 11/24/2010 Req'd Qty: 10.00

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

200

QC3- Inspect Part Finish

0.00

⇒ *el* 10/11/25

QC

Memo

0.00

Quality Control

X12 0

210

Packaging

0.00



Packaging

Memo

0.00

Packaging

Identify on inside surface using a permanent fine point marker with the following:  
TCCA-PDA, Dart Aerospace Ltd.  
P/N: D3319-1, B/N: BXXXXXX  
For Product Eligibility see PDA05-18 and Stock  
Location: 57497

*10/11/26 (12)*

220

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

*10/11/26*  
*MF*  
*10-11-26*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Tuesday, November 16, 2010 1:15:29 PM

Page 1

Work Order ID: 63841



Parent Item: D3319-1



Parent Item Name: Wearplate


Start Date: 11/17/2010

Required Date: 11/24/2010

Start Qty: 10.00

Required Qty: 10.00

Comments: IPP: B□05.10.14□Added step 9, dwg rev B □KJ/EC□  
IPP Rev:C Now on Waterjet 06-10-26 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M1010S18GA  1010/1025 SHEET .048		Purchased	No			100	sf	34.0000	0.628	6.610526			



11-10-11-18

Location

Loc Qty

Loc Code

MAT

34

116031

34

116031



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



DART AEROSPACE LTD		Work Order: 63841
Description: Wearplate		Part Number: D3319-1
Inspection Dwg: D3319	Rev: B	Page 1 of 1

### FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article ☐ Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
4.984	+/-0.010	4.980	X		V B02	
1.600	+/-0.010	1.600	✓			
2.660	+/-0.010	2.666	X			
3.190	+/-0.010	3.196	X			
3.563	+/-0.010	3.562	X			
4.712	+/-0.010	4.712	X		V	
0.60	+/-0.030	.599	X		V	
10.576	+/-0.010	10.576	✓		T B01	
11.942	+/-0.010	11.942	✓		T	
18.09	+/-0.030	18.09	X		T	
Ø0.316 x 0.546	+0.006/-0.001 x +/-0.010	.317 x .546	X		V	
Ø0.316 x 0.670	+0.006/-0.001 x +/-0.010	.317 x .674	X		V	
Ø0.190	+0.005/-0.001	.191	X		V	

Measured by: B	Audited by: S	Prototype Approval:	N/A
Date: 10-11-18	Date: 10/11/18	Date:	N/A

Rev	Date	Change	Revised by	Approved
A	07.05.31	New Issue	KJ/JLM	✓

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

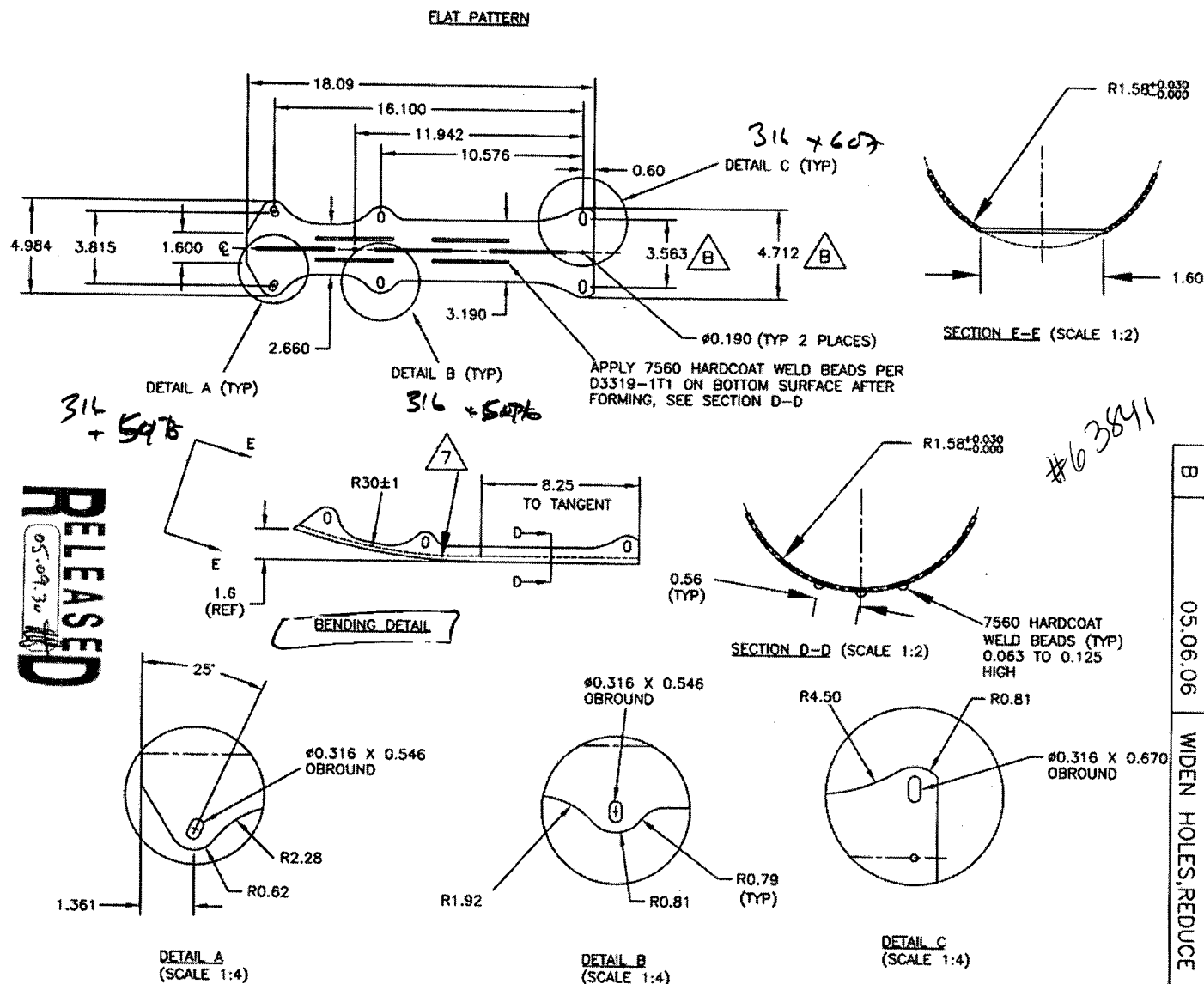
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Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**DART**



DESIGN	DRAWN BY	DART AEROSPACE LTD
P11	P11	HAWKESBURY, ONTARIO, CANADA
CHECKED	APPROVED	DRAWING NO.
		D3319
DATE	TITLE	REV. B
05.06.06	WEARPLATE	SHEET 1 OF 5
A	04.09.24	NEW ISSUE
B	05.06.06	WIDEN HOLES, REDUCE WIDTH -3/-5/-7
		SCALE 1:8

# **D3319-1 WEARPLATE**

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL 18 GAUGE (0.048 THICK)
- 2) FINISH: POWDER COAT GREY SANDTEX (REF.4.3.5.6) PER DART QSI 005 4.3
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) PART IS SYMMETRICAL ABOUT CENTERLINE
- 5) ALL DIMENSIONS IN INCHES
- 6) WELD PER DART QSI 004
- 7) IDENTIFY ON INSIDE SURFACE AS INDICATED USING FINE POINT PERMANENT INK MARKER:  
"TCCA-PDA, DART AEROSPACE LTD., P/N D3319-1 B/N BXXXXX, FOR PRODUCT ELIGIBILITY SEE PDA05-18"

**RELEASED**  
05-09-30

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

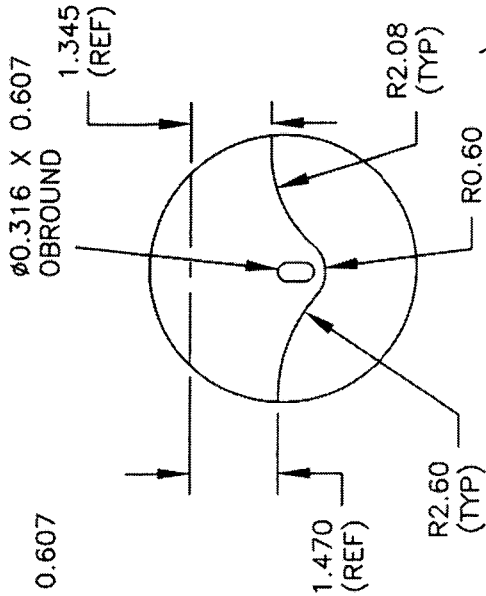
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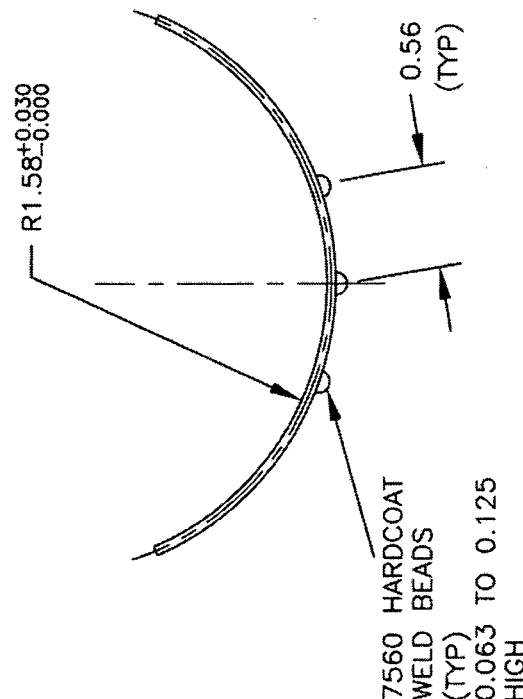
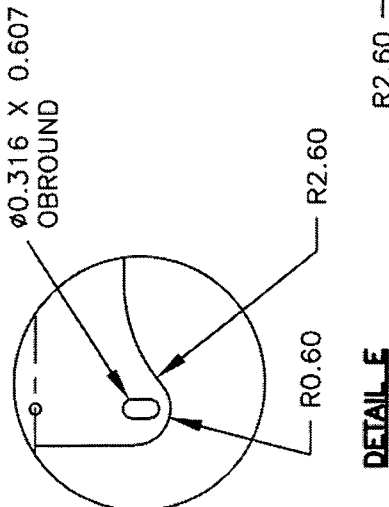
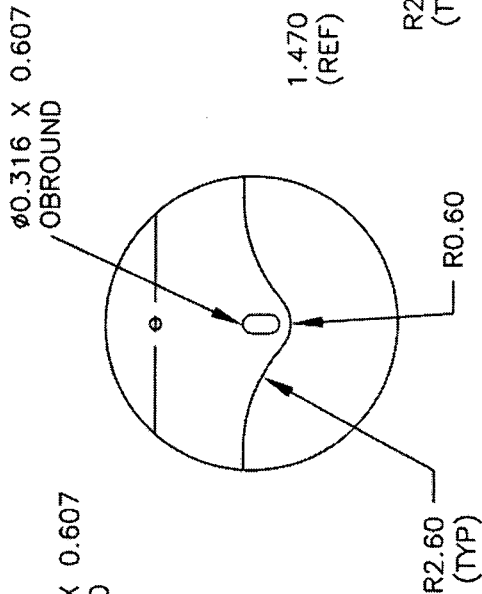
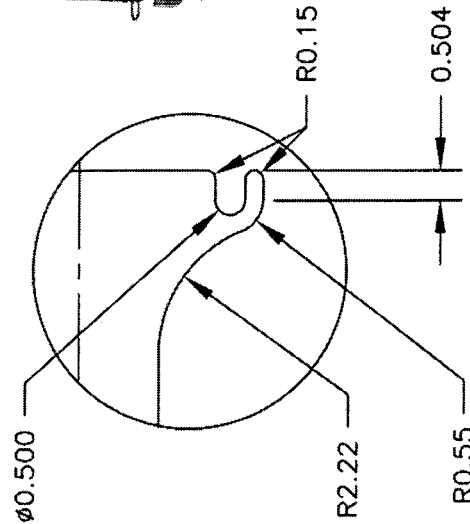
**NOTE:** Date & initial all entries

**DART**

DESIGN PH	DRAWN BY PH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED [Signature]	APPROVED [Signature]	DRAWING NO. D3319	REV. B SHEET 5 OF 5
DATE 05.06.06		TITLE WEARPLATE	SCALE 1:3



RELEASED  
05.09.30



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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries